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PRIORITY

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SUBJECT: EPHEMERIS GENERATION

SEVERAL QUESTIONS HAVE ARISEN REGARDING TELEMETRY DATA RECEIVED
BEGINNING EACH REV ON [          ] REQUESTS CLARIFICATION ON
FOLLOWING:

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1. RE THE X,Y,Z POSITION VECTORS, FIRST AND SECOND TIME DERI-
VATIVES: THESE VALUES ARE DEFINED IN A GEOCENTRIC INERTIAL REFERENCE
FRAME. AT WHAT TIME IS THIS REFERENCE FRAME DEFINED? NEED THESE
VECTOR VALUES BE CORRECTED FOR PRECESSION AND NUTATION?

2. RE EPHEMERIS ITEMS PRODUCED AT PHOTO EXPOSURE TIMES: WHAT TYPE
OF INTERPOLATION IS USED ON THE VECTOR POSITIONS TO PRODUCE SAID
ITEMS? IS A LAGRANGIAN FIFTH ORDER INTERPOLATION SUFFICIENT TO
PRESERVE ACCURACY? SEND ANSWER [          ]

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END OF MESSAGE

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